



RESISTIVE 20 dB TEST POINT



Application

- Ideal for implementing 20dB test point function.
- Works simultaneously as
 - ~ upstream / downstream sampling point
 - ~ upstream / downstream injection point



Benefits

Economical:

- Lower cost compared to inductive coupler and associated support components.

Space Saving:

- Drop - in replacement for common inductive coupler while eliminating the need for 3 to 5 associated SMD support components, saving valuable PCB space.

Performance:

- Insertion loss comparable to inductive coupler.
- Free from temperature performance changes encountered with inductive devices.
- Symmetrical circuitry maintains constant return loss on all 3 ports (In, Out, Tap).
- Loss (In to Tap) and Loss (Out to Tap) are identical.

P/N CA009924

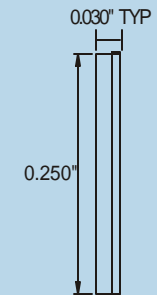
		TAP PORT TERMINATED		TAP PORT UNTERMINATED (OPEN)	
IN to OUT		TYP	MAX	TYP	MAX
Insertion Loss	5 MHz	0.84	0.90	0.73	0.80
	870 MHz	0.96	1.05	0.83	0.95
Tilt	5 - 870 MHz	-0.11	-0.15	-0.10	-0.15
Return Loss	IN / OUT	22		23	
IN to TAP or OUT to TAP					
Insertion Loss	5 MHz	-20	± 0.15		
	870 MHz	-20.19	± 0.2		
Tilt	5 - 870 MHz	-0.19	-0.25		
Return Loss	TAP	19			

Specifications subject to change without notice.

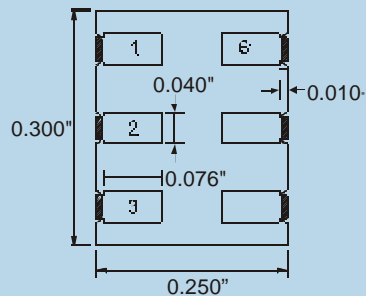
Package

Package is 0.250 x 0.300 header. Package height is less than 0.060 inch. Shippable in bulk or tape and reel for automated placement.

SIDE VIEW

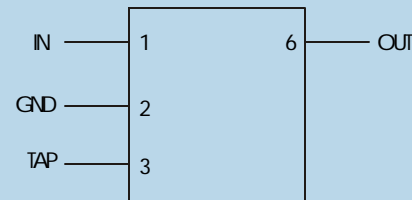


TOP VIEW



Input: Pin 1
 Ground: Pin 2
 Tap: Pin 3
 NC: Pin 4
 NC: Pin 5
 Output: Pin 6

BLOCK DIAGRAM



SUGGESTED PC BOARD FOOTPRINT

